

APPENDIX

1. (Amended) A process to remove phosphorus from an aqueous stream, which comprises phosphorus, comprising: (a) adjusting pH of the stream to a pH of at least 7 by adding a calcium-containing compound; (b) adding one or more metal ions selected from the group consisting of zinc and manganese ions to the stream wherein the metal ion is present in the range of from about 0.01 to about 10,000 ppm, based on weight of the stream; (c) adding an anionic inorganic colloid to the stream; and (d) ~~adding a flocculant~~ an organic polymer at about 0.01 to about 10,000 ppm, based on weight of the stream, to produce a flocculated mass.

5. (Amended) A process to remove phosphorus from an aqueous streams, which comprises phosphorus, comprising (a) adjusting pH of the stream to a pH of at least 7 by adding a calcium containing compound; (b) adding one or more metal ions selected from the group consisting of zinc ions and manganese ions to the stream wherein the metal ion is present in the range of from about 0.01 to about 10,000 ppm, based on weight of the stream; (c) adding at least one cationic organic polymer to the stream; and (d) adding at least one anionic organic polymer to the stream to produce a flocculated mass.

15. (Amended) A process to remove phosphorus from an aqueous stream, which comprises phosphorus, comprising (a) adding one or more metal ions selected from the group consisting of titanium and zirconium to the stream; and (b) adding a ~~flocculant~~ an organic polymer at about 0.01 to about 10,000 ppm, based on weight of the stream, to the stream to produce a flocculated mass.

25. (Amended) A process consisting essentially of adjusting the pH of an aqueous stream, which comprises phosphorus, to at least 7 by adding a calcium-containing compound; adding one or more metal ions selected from the group consisting of zinc ions, manganese ions, and mixtures thereof to the stream wherein the metal ion is present in the range of from about 0.01 to about 10,000 ppm, based on weight of the stream; and

(a) adding an anionic inorganic colloid and ~~a flocculant~~ an organic polymer at about 0.01 to about 10,000 ppm, based on weight of the stream to produce a flocculated mass; or

(b) adding at least one cationic organic polymer and at least one anionic organic polymer to the stream to produce a flocculated mass; or

(c) adding ~~a flocculant~~ an organic polymer at about 0.01 to about 10,000 ppm, based on weight of the stream, to produce a flocculated mass; and recovering the flocculated mass; and using the recovered flocculated mass as a nutrient source.

32. (Twice amended) The process of claim 28 wherein said process consists essentially of adjusting the pH of an aqueous stream, which comprises phosphorus, to at least 7 by adding a calcium-containing compound; adding one or more metal ions selected from the group consisting of zinc ions, manganese ions, and mixtures thereof to the stream; adding an anionic inorganic colloid to the stream; ~~adding a flocculant~~ adding a cationic organic polymer to the stream to produce a flocculated mass; recovering the flocculated mass; and using the recovered flocculated mass as a nutrient source or animal feed.

34. (Amended) A process to remove phosphorus from an aqueous stream, which comprises phosphorus, consisting essentially of adding one or more metal ions selected from the group consisting of titanium and zirconium, and a ~~flocculant~~ cationic organic polymer to the stream ~~to the stream~~ to produce a flocculated mass wherein the metal ion and said organic polymer is each present in the range of from about 1 to about 2,500 ppm, based on weight of the stream.